

PTO/SB/21 (08-03)

Approved for use through 08/30/2003. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	09/187,197
	Filing Date	11/03/1998
	First Named Inventor	Jacson Liu
	Art Unit	2822
	Examiner Name	Guerrero, Maria F.
	Attorney Docket Number	MVIP0005USA
Total Number of Pages in This Submission	8	

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input checked="" type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	-Petition for Revival of an application for patent abandoned unintentionally
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s)	
<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	This petition has been send by fax on 05/25/2004	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual name	Winston Hsu, Reg. No.: 41,526	
Signature	<i>Winston Hsu</i>	
Date	5/27/2004	

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.		
Typed or printed name		
Signature		Date

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (10-03)

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**FEE TRANSMITTAL  
for FY 2004**

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$ ) 1,330.00**Complete if Known**

Application Number	09/187,197
Filing Date	11/03/1998
First Named Inventor	Jacson Liu
Examiner Name	Guerrero, Maria F.
Art Unit	2822
Attorney Docket No.	MVIP0005USA

**METHOD OF PAYMENT (check all that apply)**☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit Account Number: 60-3105  
Deposit Account Name: North America Intellectual Property Corp.

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	2001	770	385	Utility filing fee	
1002	2002	340	170	Design filing fee	
1003	2003	530	265	Plant filing fee	
1004	2004	770	385	Reissue filing fee	
1005	2005	180	80	Provisional filing fee	

**SUBTOTAL (1)** (\$ ) 0.00**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	-20** =	X	
Multiple Dependent	-3** =	X	

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
1202	2202	18	9	Claims in excess of 20	
1201	2201	86	43	Independent claims in excess of 3	
1203	2203	290	145	Multiple dependent claim, if not paid	
1204	2204	86	43	** Reissue independent claims over original patent	
1205	2205	18	9	** Reissue claims in excess of 20 and over original patent	

**SUBTOTAL (2)** (\$ ) 0.00

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
1081	2051	130	65	Surcharge - late filing fee or oath	
1052	2052	50	25	Surcharge - late provisional filing fee or cover sheet	
1053	1053	130	130	Non-English specification	
1812	1812	2,520	2,520	For filing a request for ex parte reexamination	
1804	1804	920*	920*	Requesting publication of SIR prior to Examiner action	
1805	1805	1,840*	1,840*	Requesting publication of SIR after Examiner action	
1251	2251	110	55	Extension for reply within first month	
1252	2252	420	210	Extension for reply within second month	
1253	2253	950	475	Extension for reply within third month	
1254	2254	1,480	740	Extension for reply within fourth month	
1255	2255	2,010	1,005	Extension for reply within fifth month	
1401	2401	330	165	Notice of Appeal	
1402	2402	330	165	Filing a brief in support of an appeal	
1403	2403	290	145	Request for oral hearing	
1451	1451	1,510	1,510	Petition to institute a public use proceeding	
1452	2452	110	55	Petition to revive - unavoidable	
1453	2453	1,330	665	Petition to revive - unintentional	1,330.00
1501	2501	1,330	665	Utility issue fee (or release)	
1502	2502	480	240	Design issue fee	
1503	2503	640	320	Plant issue fee	
1460	1460	130	130	Petitions to the Commissioner	
1807	1807	50	50	Processing fee under 37 CFR 1.17(q)	
1808	1808	180	180	Submission of Information Disclosure Stmt	
8021	8021	40	40	Recording each patent assignment per property (times number of properties)	
1809	2809	770	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	2810	770	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	2801	770	385	Request for Continued Examination (RCE)	
1802	1802	900	900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$ ) 1330.00**SUBMITTED BY**

Name (Print/Type)	Winston Hsu	Registration No. (Attorney/Agent)	41,526	Telephone	886289237350
Signature	<i>Winston Hsu</i>	Date	5/25/2004		

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

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25-05-'04 14:10

WINSTON HSU, NO. 41526 8064986673

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INTERNATIONAL PATENT OFFICE**

P.O. BOX 506, Merrifield, VA 22116, U.S.A.

TEL: +886-2-8923-7350 FAX: +886-2-2929-5950 e-mail: winstonhsu@naipo.com.tw

**FAX TO : Guerrero, Maria F.**

**ART UNIT: 2822**

Tel : (703) 305-9282

Fax: (703) 308-6916

**FROM : Winston Hsu, PATENT AGENT, REG. NO. : 41,526**

**SERIAL NO. : 09/187,197**

**ATTORNEY DOCKET NO.: MVIP0005USA**

**SUBJECT: Petition to Revival Abandoned Application**

**TOTAL PAGES: 9 PAGES (INCLUDING COVER PAGE)**

**The hardcopy of this petition will be sent to USPTO by Federal Express right away.**

**Winston Hsu 2004/05/25**

**MVIP0005USA0\_A9\_2**

PTO/SB/97 (08-00)  
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### Certificate of Transmission under 37 CFR 1.8

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Carol Chuang  
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Note: Each paper must have its own certificate of transmission, or this certificate must identify each submitted paper.

APPLICATION NUMBER: 09/187,197

PAPERS INCLUDED:

(1) Transmittal Form	1 PAGE
(2) Fee Transmittal	1 PAGE
(3) Petition to Revival of an Application for Patent Abandoned Unintentionally Under 37 CFR 1.137 (b)	2 PAGES
(4) Petition to Revive Abandoned Application re: Notice of Abandonment mailed on 05/03/2004	2 PAGES

Burden Hour Statement: This form is estimated to take 0.03 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

MAY 25 2004  
T-076 P07/08 U-267

**OFFICIAL**

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Jacson Liu Examiner: Guerrero, Maria F  
5 Filing Date: 11/03/1998 Art Unit: 2822  
App. No.: 09/187,197 Docket No.: MVIP0005USA

Title: Shallow Trench Isolation Method for a Semiconductor Wafer

10 To: Commissioner for Patents  
P.O. BOX 1450  
Alexandria, VA 22313-1450

Subject: Petition to Revive Abandoned Application re: Notice of Abandonment  
15 mailed 05/03/2004

Dear Sir or Madame:

20 This is a petition under 37 CFR 1.137(b) to revive the above-identified application, which became abandoned for failure to timely file a proper reply to the Office action mailed on 09/22/2003. The agent of record for this case hasn't received any Office letters from the Examiner mailed on 09/22/2003. Therefore, the entire delay in filing the required reply to the Office action of 09/22/2003 was unintentional.

25 Due to the above, petition under 37 CFR 1.137(b) to revive the above-identified application is submitted. Furthermore, to re-mail the Office letter mailed on 09/22/2003 was politely requested so that the Applicant can reply to the Office action.

30 Sincerely yours,

Winston Hsu

Date: 5/19/2004

Winston Hsu, Patent Agent No.41,526

P.O. BOX 506

Merrifield, VA 22116

5 U.S.A.

e-mail: [winstonhsu@naipo.com.tw](mailto:winstonhsu@naipo.com.tw)

(Please contact me by e-mail if you need a telephone  
communication and I will return your call promptly.)

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MAY 25 2004

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PTO/SB/84 (10-01)

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**PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT ABANDONED  
UNINTENTIONALLY UNDER 37 CFR 1.137(b)**

Docket Number (Optional)

MUIPO005USA

First named inventor: Jason LiuApplication No.: 09/187,197Art Unit: 2822Filed: 11/03/1998Examiner: Guerrero, Maria F.Title: Shallow trench isolation method  
for a semiconductor waferAttention: Office of Petitions  
Assistant Commissioner for Patents  
Box DAC  
Washington, D.C. 20231NOTE: If information or assistance is needed in completing this form, please contact Petitions  
Information at (703) 305-9282.The above-identified application became abandoned for failure to file a timely and proper reply to a  
notice or action by the United States Patent and Trademark Office. The date of abandonment is the day after the  
expiration date of the period set for reply in the Office notice or action plus an extensions of time  
actually obtained.**APPLICANT HEREBY PETITIONS FOR REVIVAL OF THIS APPLICATION**

NOTE: A grantable petition requires the following items:

- (1) Petition fee;
- (2) Reply and/or issue fee;
- (3) Terminal disclaimer with disclaimer fee—required for all utility and plant applications  
filed before June 8, 1995; and for all design applications; and
- (4) Statement that the entire delay was unintentional.

**1. Petition fee**☐ Small entity-fee \$\_\_\_\_\_ (37 CFR 1.17(m)). Applicant claims small entity status. See 37 CFR 1.27.☒ Other than small entity - fee \$ 1330.00 (37 CFR 1.17(m))**2. Reply and/or fee**A. The reply and/or fee to the above-noted Office action in  
the form of Notice of Abandonment mailed on 05/03/2004 (Identify type of reply):☐ has been filed previously on \_\_\_\_\_☒ is enclosed herewith.

B. The issue fee of \$\_\_\_\_\_.

☐ has been paid previously on \_\_\_\_\_.☐ is enclosed herewith.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 1.0 hour to complete. Time will vary depending upon the needs of the individual case. Any comments on  
the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC  
20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/64 (10-01)

Approved for use 10/31/2002. OMB 0651-0031

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## 3. Terminal disclaimer with disclaimer fee

- ☒ Since this utility/plant application was filed on or after June 8, 1995, no terminal disclaimer is required.
- ☐ A terminal disclaimer (and disclaimer fee (37 CFR 1.20(d)) of \$ \_\_\_\_\_ for a small entity or \$ \_\_\_\_\_ for other than a small entity) disclaiming the required period of time is enclosed herewith (see PTO/SB/63).

4. STATEMENT: The entire delay in filing the required reply from the due date for the required reply until the filing of a grantable petition under 37 CFR 1.137(b) was unintentional. [NOTE: The United States Patent and Trademark Office may require additional information if there is a question as to whether either the abandonment or the delay in filing a petition under 37 CFR 1.137(b) was unintentional (MPEP 711.03(c), subsections (III)(C) and (D))].

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5/25/2004  
Date

Winston Hsu  
Signature

Telephone  
Number: (886) 2-8923-7350

Winston Hsu  
Typed or printed name

P.O. Box 506  
Address

Enclosures: ☒ Fee Payment

☒ Reply

☐ Terminal Disclaimer Form

☒ Additional sheets containing statements establishing unintentional delay

☒ Other: A copy of PAIR page

Memfield, VA 22116  
U.S.A.

## CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]

I hereby certify that this correspondence is being:

- ☐ deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Box DAC, Washington, D.C. 20231.
- ☐ transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) 308-6916.

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Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Type or printed name of person signing certificate

[Page 2 of 2]